

Title (en)
WIRELESS DOWNHOLE FEEDTHROUGH SYSTEM

Title (de)
DRAHTLOSES DURCHFÜHRUNGSSYSTEM IN EINEM BOHRLOCH

Title (fr)
SYSTÈME DE CONNEXION SANS FIL EN FOND DE FORAGE

Publication
EP 2877691 A4 20160601 (EN)

Application
EP 12881741 A 20120724

Priority
US 2012047934 W 20120724

Abstract (en)
[origin: WO2014018010A1] An apparatus for communicating optical signals between an external device located on a first side of a wellbore barrier and a downhole device located on a second side of the well bore barrier includes a first wireless node which is positioned on the first side of the well bore barrier and is in communication with the external device via a first cable. A second wireless node is positioned on the second side of the well bore barrier and is in communication with the downhole device via a second cable. The first and second wireless nodes are configured to communicate wirelessly through the well bore barrier using near field magnetic induction (NFMI) communications.

IPC 8 full level
E21B 47/12 (2012.01); **E21B 33/03** (2006.01); **E21B 33/04** (2006.01)

CPC (source: EP US)
E21B 33/03 (2013.01 - EP US); **E21B 33/04** (2013.01 - EP US); **E21B 33/047** (2013.01 - US); **E21B 47/13** (2020.05 - EP US);
E21B 47/135 (2020.05 - US)

Citation (search report)
• [IAY] US 2011011580 A1 20110120 - CLARK BRIAN [US], et al
• [XAY] US 2011044697 A1 20110224 - PETER ANDREAS [DE], et al
• [A] WO 2012018322 A1 20120209 - FMC TECHNOLOGIES [US], et al
• [A] GB 2466861 A 20100714 - SENSOR DEVELOPMENTS AS [NO]
• [A] GB 2421040 A 20060614 - SCHLUMBERGER HOLDINGS [VG]
• See also references of WO 2014018010A1

Cited by
CN107387016A; US12025000B2; GB2591550A; GB2591550B

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2014018010 A1 20140130; EP 2877691 A1 20150603; EP 2877691 A4 20160601; EP 2877691 B1 20190911; US 10030509 B2 20180724;
US 10648325 B2 20200512; US 2016069178 A1 20160310; US 2018320507 A1 20181108

DOCDB simple family (application)
US 2012047934 W 20120724; EP 12881741 A 20120724; US 201214417098 A 20120724; US 201816027221 A 20180703